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(12) **United States Patent**  
**Shi**

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(54) **DISPOSABLE SCALPEL BLADE ASSEMBLY  
AND SUPPORTING REUSABLE SCALPEL  
HANDLE**

(58) **Field of Classification Search**

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B26B 5/003; B26B 5/005-5/008

(Continued)

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patent is extended or adjusted under 35  
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(57) **ABSTRACT**

(30) **Foreign Application Priority Data**

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Disposable scalpel blade assembly and supporting reusable handle. The blade assembly includes a blade, blade holder and blade shield. The blade holder has a flexible arm at the rear-end, which has a protrusion-block at the arm end. The blade shield inner wall has clearance opening for the protrusion-block. When the handle is inserted, the protrusion-block extends into the clearance opening with sideward movement, so the blade and blade holder are connected. After the handle is pulled-out, the protrusion-block misaligns with the clearance opening and cannot make sideward movement so the handle cannot connect again. The blade holder first sliding channel is provided with a first front locking channel at its front-end and a deadlock channel is set in front of the first front locking channel. When the handle

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